

Notice of Allowability

Application No.

09/890,321

Examiner

Patricia Hightower

Applicant(s)

OKAZAKI, AKIRA

Art Unit

1711

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed October 23, 2003.
2. ☒ The allowed claim(s) is/are 21,22,46,47,55,56,59-61,82,83,85 and 86.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

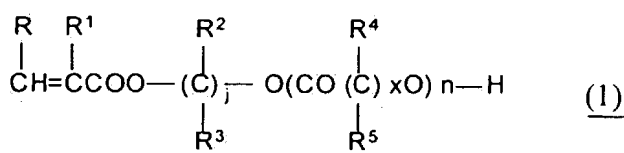
9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <input type="checkbox"/> Notice of References Cited (PTO-892) | <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____ | <input type="checkbox"/> Examiner's Amendment/Comment |
| <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | <input type="checkbox"/> Other |

Reasons For Allowance

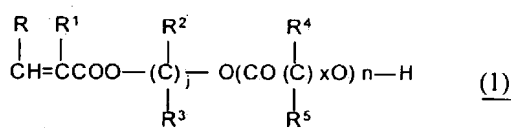
The following is an examiner's statement of reasons for allowance: In view of the applicants' amendment filed October 23, 2003 the claimed curable resin composition comprising (i) 0.5 –80 parts by weight of an acrylic polyol resin (A) comprising a hydroxyalkyl(meth)acrylate composition having 0.3 to less than 1.0 mole of polymerized lactone monomer being polymerized by ring-opening with respect to 1 mole of hydroxyalkyl(meth)acrylate, wherein the content of the lactone monomer in the hydroxyalkyl(meth)acrylate composition is 0-10% by weight and a proportion of monomers having two or more continuous chains ($n > 2$) of lactones less than 37.4% (area by GPC), the hydroxyalkyl(meth)acrylate composition being represented by formula (1) described below



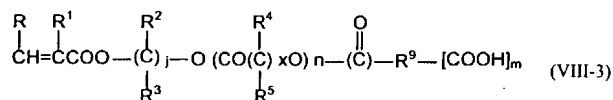
where R, R¹, R² and R³ are independently a hydrogen or a methyl group, "j" is an integer of 2-6, xn pieces of R⁴ and R⁵ are independently a hydrogen or an alkyl group having a carbon number of 1-12, "x" is 4-7, "n" is an integer than or equal to zero and an average value of "n" in the composition is not less than 0.3 to less than 1.0 and (ii) 0.5 parts by weight of a melamine resin (B)_m wherein the total of (A) and (B) does not exceed 100 parts by weight; a thermosetting resin composition comprising 2-50 parts of an acrylic polyol resin (VII-A) containing a hydroxyalkyl(meth)acrylate composition comprising 0.3 to less than 1.0 mole of polymerized lactone monomer being polymerized by ring-

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opening with respect to 1 mole of hydroxyalkyl(meth)acrylate, wherein the content of the lactone monomer in the hydroxyalkyl(meth)acrylate composition is 0-10% by weight and a proportion of monomers having two or more continuous chains ($n > 2$) of lactones less than 37.4% (area by GPC), the hydroxyalkyl(meth)acrylate composition being represented by formula (1)



ans 30-80 parts of an acrylic copolymer (VII-B) having an alkoxysilyl group wherein the total of (VII-A) and (VII-B) is 100 parts by weight, the method of preparing the carboxylic group containing acrylate composition (a') represented by a general formula (VIII-3)



and a method for the preparation of a polyester unsaturated monomer composition comprising a small amount of lactones, wherein 0.3 less than 1.0 mole of a lactone monomer is polymerized by ring-opening with respect to 1 mole of a radically polymerizable unsaturated monomer containing carboxylic group, whereby a proportion of monomers having not less than 2 continuous chains ($n > 2$) of lactones is adjusted to less than 50% (GPC area %) and the method for preparing a polyester unsaturated monomer composition comprising ; polymerizing by ring-opening 0.3 – less than 2.0 mole of lactone monomer with respect to 1 mole of a radically polymerizable unsaturated monomer containing carboxylic group by using stannous halide,

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monobutyltin tris-2-ethylhexanoate, stannous octoate, dibutyltin dilaurate or a mixture thereof as a catalyst and separating the unreacted radically polymerizable unsaturated monomer containing carboxylic group; are allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia Hightower whose telephone number is (571) 272-1073. The examiner can normally be reached on M-F from 9:30 A.M. - 6:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

P. Hightower:ph
January 26, 2004



P. Hampton-Hightower
Primary Examiner
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